

# RECORDING AND REPRODUCTION APPARATUS

## Abstract

A recording and reproduction apparatus, for irradiating a recording medium having a track with an optical beam to record information on and reproduce information from the recording medium, includes a tracking error detection section for detecting a positional offset between the optical beam and the track and outputting a tracking error signal corresponding to the positional offset; an amplification section for amplifying, based on a prescribed value of a gain, the tracking error signal to be output, wherein the prescribed value of the gain is adjustable; a tracking control section for controlling a position of the optical beam based on the tracking error signal amplified by the amplification section; and a control section for adjusting the prescribed value of the gain of the amplification section. The control section adjusts the prescribed value of the gain of the amplification section based on a linear velocity of the recording medium.